



Appln. No. 10/092,894  
Amdt. dated August 7, 2003  
Reply to Office Action of May 9, 2003

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Aw  
8/13/03

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Of: )  
KEVIN FRETWELL )  
Application No.: 10/092,894 )  
Filed: 3/7/2002 )  
Group Art Unit: 3753 )  
Examiner: Gerald A. Michalsky )  
VALVE SYSTEM )

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AUG 12 2003

TECHNOLOGY CENTER R3700

AMENDMENT

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir:

In response to the Office Action mailed May 9, 2003, please amend the above identified application as follows.

**Amendments to the Drawings** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper. Claim 7 is currently amended.

**Remarks** begin on page 5 of this paper.

Office of  
AUG 11 2003  
PATENT & TRADEMARK

3753

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Patent and Trademark Office: U.S. Department of Commerce

0001/PTO  
Rev. 10/95

U.S. Department of Commerce  
Patent and Trademark Office

|                        |                     |
|------------------------|---------------------|
| Application Number     | 10/092,894          |
| Filing Date            | 03/07/2002          |
| First Named Inventor   | Kevin Fretwell      |
| Group Art Unit         | 3753                |
| Examiner Name          | Gerald A. Michalsky |
| Attorney Docket Number | 124-00110           |

**TRANSMITTAL FORM**

(to be used for all correspondence after initial filing)

Total Number of pages in this Submission 10

**ENCLOSURES** (check all that apply)

- ☒ Fee Transmittal Form
- ☐ Fee Attached
- ☒ Amendment
- ☐ After final
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement/PTO-1449
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
- ☐ Response to Missing Parts Under 37 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition Checklist and Accompanying Petition
- ☐ To Convert a Provisional Application
- ☐ Power of Attorney, Revocation, Change of Correspondence Address
- ☐ Terminal Disclaimer

- ☐ After Allowance Communication To Group
- ☐ Appeal Communication to Board Of Appeals and Interferences
- ☐ Appeal Communication to Group ( Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Additional Enclosure(s) (Please identify below)

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Remarks

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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                         |  |
|-------------------------|--|
| Firm Or Individual Name | Peter T. Holsen, Reg. No. P54,180<br>ANDRUS, SCEALES, STARKE & SAWALL, LLP<br>100 East Wisconsin Avenue, Suite 1100, Milwaukee, WI 53202 |
| Signature               | <i>Peter T. Holsen</i>   |
| Date                    | August 7, 2003   |

**CERTIFICATE OF MAILING**

|  |                           |      |          |
|--|---------------------------|------|----------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on this date: |                           |      |          |
| August 7, 2003   |                           |      |          |
| Typed or printed name  | Barbara A. Johnson        |      |          |
| Signature  | <i>Barbara A. Johnson</i> | Date | 8/7/2003 |

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Approved for use through 9/30/98  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| PTO/SB/17<br>(10/97)   |   | COMPLETE IF KNOWN  |                        |           |
|--|---|--|------------------------|-----------|
| <b>FEE TRANSMITTAL</b>   |   | Application Number   | 10/092,894             |           |
|  |   | Filing Date  | 03/07/2002             |           |
|  |   | First Named Inventor   | Kevin Fretwell         |           |
|  |   | Group Art Unit   | 3753                   |           |
|  |   | Examiner Name  | Gerald A. Michalsky    |           |
| Total Amount of Payment (\$)   |   | 0  | Attorney Docket Number | 124-00110 |
| <b>METHOD OF PAYMENT (check one)</b>   |   | <b>FEE CALCULATION (continued)</b>   |                        |           |
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:<br>Deposit Account Number <u>01.2000</u><br>Deposit Account Name <u>Andrus, Scales, Starke &amp; Sawall, LLP</u><br><input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee set in 37 CFR 1.18 at the Mailing Of the Notice of Allowance, 37 CFR 1.311(b) |   | 2. <b>Additional Fees</b><br>Large Entity    Small Entity<br>Fee    Fee    Fee    Fee<br>Code (\$)    Code (\$)    Fee Description    Fee Paid |                        |           |
| 3. <input type="checkbox"/> Payment Enclosed:<br><input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other  |   | 105    130    205    65    Surcharge-late filing fee or oath   |                        |           |
| <b>FEE CALCULATION (fees effective 10/01/97)</b>   |   | 127    50    227    25    Surcharge-late provisional filing fee  |                        |           |
| 1. <b>Filing Fee</b><br>Large Entity    Small Entity<br>Fee    Fee    Fee    Fee<br>Code (\$)    Code (\$)    Description    Fee Paid  |   | or cover sheet   |                        |           |
| 101    690    201    345    Utility filing fee   |   | 139    130    139    130    Non-English specification  |                        |           |
| 106    310    206    155    Design filing fee  |   | 147    2,520    147    2,520    For filing a request for reexamination   |                        |           |
| 107    480    207    240    Plant filing fee   |   | 112    920*    112    920*    Requesting publication of SIR prior to   |                        |           |
| 108    690    208    345    Reissue filing fee   |   | Examiner action  |                        |           |
| 114    150    214    75    Provisional filing fee  |   | 113    1,840*    113    1,840*    Requesting publication of SIR after  |                        |           |
| SUBTOTAL (1) (\$)  |   | Examiner action  |                        |           |
| 0  |   | 115    110    215    55    Extension for response within first   |                        |           |
| 2. <b>Claims</b><br>Extra    Fee from    Fee Paid<br>below   |   | month  |                        |           |
| Total claims -20= X =  |   | 116    400    216    200    Extension for response within second   |                        |           |
| Independent - 3= X =   |   | month  |                        |           |
| Claims   |   | 117    950    217    475    Extension for response within third  |                        |           |
| Multiple Dependent X =   |   | month  |                        |           |
| Claims   |   | 118    1,510    218    755    Extension for response within fourth   |                        |           |
| Large Entity    Small Entity    Fee  |   | month  |                        |           |
| Fee    Fee    Fee    Fee    Description  |   | 128    2,060    228    1,030    Extension for response within fifth  |                        |           |
| Code (\$)    Code (\$)    Description    Fee Paid  |   | month  |                        |           |
| 103    18    203    9    Claims in excess of 20  |   | 119    310    219    155    Notice of appeal   |                        |           |
| 102    78    202    39    Independent claims in excess of 3  |   | 120    310    220    155    Filing a brief in support of an appeal   |                        |           |
| 104    270    204    135    Multiple dependent claim   |   | 121    270    221    135    Request for oral hearing   |                        |           |
| 109    82    209    41    Reissue independent claims over original patent  |   | 138    1,510    138    1,510    Petition to institute a public use   |                        |           |
| 110    22    210    11    Reissue claims in excess of 20 and over original patent  |   | proceeding   |                        |           |
| SUBTOTAL (2) (\$)  |   | 140    110    240    55    Petition to revive unavoidably  |                        |           |
| 0  |   | abandoned application  |                        |           |
| 3. <b>Claims</b><br>Extra    Fee from    Fee Paid<br>below   |   | 141    1,320    241    660    Petition to revive unintentionally   |                        |           |
| Total claims -20= X =  |   | abandoned application  |                        |           |
| Independent - 3= X =   |   | 142    1,320    242    660    Utility issue fee (or reissue)   |                        |           |
| Claims   |   | 143    450    243    225    Design issue fee   |                        |           |
| Multiple Dependent X =   |   | 144    670    244    335    Plant issue fee  |                        |           |
| Claims   |   | 122    130    122    130    Petitions to the Commissioner  |                        |           |
| Large Entity    Small Entity    Fee  |   | 123    50    123    50    Petitions related to provisional   |                        |           |
| Fee    Fee    Fee    Fee    Description  |   | applications   |                        |           |
| Code (\$)    Code (\$)    Description    Fee Paid  |   | 126    240    126    240    Submission of Information Disclosure   |                        |           |
| 103    18    203    9    Claims in excess of 20  |   | Statement  |                        |           |
| 102    78    202    39    Independent claims in excess of 3  |   | 581    40    581    40    Recording each patent assignment per   |                        |           |
| 104    270    204    135    Multiple dependent claim   |   | property (times number of  |                        |           |
| 109    82    209    41    Reissue independent claims over original patent  |   | properties   |                        |           |
| 110    22    210    11    Reissue claims in excess of 20 and over original patent  |   | 146    790    246    395    Filing a submission after final rejection  |                        |           |
| SUBTOTAL (3) (\$)  |   | (37 CFR 1.129(a))  |                        |           |
| 0  |   | 149    790    249    395    For each additional invention to be  |                        |           |
| Other fee (specify)  |   | examined (37 CFR 1.129(b))   |                        |           |
| Other fee (specify)  |   | SUBTOTAL (3) (\$)  |                        |           |
| SUBTOTAL (3) (\$)  |   | 0  |                        |           |
| *Reduced by Basic Filing Fee Paid  |   |  |                        |           |
| <b>SUBMITTED BY</b>  |   | <b>COMPLETE (if applicable)</b>  |                        |           |
| Type or Printed name   | Peter T. Holsen<br>Andrus, Scales, Starke & Sawall, LLP | Registration Number  | P54,180                |           |
| Signature  | <i>Peter T. Holsen</i>                                  | Date   | 8/7/2003               |           |
|  |   | Deposit Account User ID  |                        |           |

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